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On Certain Precise Solutions of Equations of Nonstationary Filtration of 2-½phase Liquid, by V. M. Ryzhik.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk - Mekh i Mash, No 1, 1961, pp 121-126.

ERDL, Ft Belvoir
T-1356

164,344

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On Displacement of Interface Between Two Liquids Being Weighed in a Horizontal Layer, by V. P. Zhilatovskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk - Mekh i Mash, No 4, 1961, pp 127-130.

S/ 1

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Interpenetrating Motion of Immiscible Liquids in a Porous Medium, by M. I. Shvidler.

RUSSIAN, Per, Iz Ak Nauk SSSR, Otdel Tekh Nauk - Mekh i Mash, No 1, 1961, pp 131-134.

ERDL, Ft Belvoir
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Hypersonic Flow Around Thin Blunted Bodies,
by M. D. Ladyzhevskiy, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, OTN, Meikh i Mash, No 1, 1961, pp 150-151. 967743

FTD-TT-62-639

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Influence of the Laminar Boundary Layer in the Flow Past A Thin Blunted Cone at High Supersonic Velocities, by I. A. Murzinov, 8 pp. RUSSIAN, per, Iz An SSSR, Mekhanika i Mashinostroyeniye, No 1, 1961, pp 152-158. P100072866
FTD-TT-65-1118

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Method of Determining the Thermophysical Characteristics of Insulating Materials using the Thermal Impulse from Shock Waves as a Source of Heat, by Yu. A. Dem'yanov and N. V. Chereshneva

RUSSIAN, per, Izvestiya Akad Nauk SSSR, Otdel Tekh Nauk, Mekhan i Mashinostroyeniye, Nr 1, 1961, pp 153-154

FTD-TT-62-332

Sci-Engr
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On the Interaction of Shock Waves in Water-Saturated Earth and In Water, by G. M. Lyakhov. 9 pp. RUSSIAN, rpt, AN SSSR. Izvestiya. Mekhanika i Mashinostroyeniye. OTN, No 1, 1961, pp 155-158. AIR/FTD/HT-23-872-70

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On the Application of the "Law of Plane Sections" to the Determination of the Aerodynamic Forces Acting on Oscillating Shells, by V. V. Bolotin, 7 pp.
RUSSIAN, per. AN SSSR. Izvestiya. Mekhanika Mashinostroyeniye, No 1, 1961, pp 159-162.
P1000/1268-V
FTD-HT-66-763

Sci-Phys
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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170059-5

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170059-5

Kosmodamkanskii, A. S.
STRESSES IN AN ANISOTROPIC PLATE WITH TWO DIFFERENT HOLES (O Napryazhennom Sostoyanii Anizotropnoi Plastinki s Dvumya Neodinakovymi Otverstiyami) L. Meyer, tr. Jan 62 [6p] 5refs
S. M. R. E. Trans. no. 4651; [DSIR] NLL M. 3678.
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Trans. of Akad[emiya] Nauk SSSR O[tdelenie] T[ekhnicheskikh] N[auk] Izv[estiya] Mekh[anika] i Mashinostr[oenie] 1961, no. 1, p. 175-177.

(Mechanics, TT, v. 12, no. 2)

TT-64-13273

I. Kosmodamkanskii, A. S.
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Certain Features in the Transverse Deformation of Cylindrical Shafts with an Annular Groove, by R. D. Vagapov, 12p.
RUSSIAN, per, Izvestiya, Akademiya Nauk SSSR, Mekhanika i Mashinostroenie, No 2, 1961, pp 17-23.
SLA TT-66-61663

LLL 9022.093

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Calculation of Factors, Affecting the Accuracy in Determining the Drift of Floating Integrating Gyroscopes, by G. A. Skuyanskiy, 13 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 2, 1961, pp 61-69.
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Three-Dimensional Compressible Flow in Axial Turbo-Machines, 2 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, OTN, Mekh i Mash, No 2, 1961, pp 78-88.

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Classification of Flows in Air Shock Tubes, by G. M. Arutyunyan, 13 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 2, 1961, pp 106-111. 9683265

FTD-TT-63-309

NLL/RTS 2231

Sci-Phys
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THE EFFECT OF A MAGNETIC FIELD ON THE FLOW OF A CONDUCTING GAS IN A PLANE TUBE IN THE PRESENCE OF HEAT TRANSFER THROUTH THE WALLS, BY E. P. ZIMIN, 6 PP.

RUSSIAN, PER, IZ AK NAUK SSSR, OTDEL TEKH NAUK, MEKH I MASH, NO 2, 1961, PP 117-119. 9665786

FTD-TT-62-333

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BOUNDARY LAYER ON A PLATE TAKING INTO ACCOUNT NON-EQUILIBRIUM DISSOCIATION, BY V. P. STULOV, 13 PP.

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Mixing Turbulent Jets of Different Density, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khak Tekh Nauk, Mekh i Mash, No 3, 1961, pp 55-57. 9668621

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Classification of Flows in Air Shock Tubes,
by G. M. Arutyunyan,

RUSSIAN, per, Izves Ak Nauk SSSR, Otdel Tekh Nauk,
Mekh i Mash, No 3, 1961, pp 106-111.

*FTD-TT-63-309

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Vibrations of Twisted Rods, by B. F. Shorr.

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THE EFFECT OF PLASTIC, TENSILE PRESTRAIN
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MEKH MASH, NO 3, 1961, PP 161, 162.

NLL M.3488

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CR-39/64
(BD #6-64)

Boris Sergeyevich Stechkin. (SF-3041)

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*JPRS

Sci - Misc
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Homogeneous Plasma Turbulence in a Strong Magnetic Field, by M. M. Prudnikov, 8 pp.

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Experimental Investigation of Free Oscillations of a Fluid in a Vessel, by G. Mikishev, N. Dorozhkin.
RUSSIAN, per, Izv Ak Nauk SSSR, Mekh Mash, No 4, 1961, pp 48-53.
CSIRO No 9784

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Experimental Investigation of Free Oscillations of Liquids in Containers, by G. N. Mikishev, N. Ya. Dorozhkin, 6 p.
RUSSIAN, per, Izvestiya Akademii Nauk, OTN Mekhanika i Mashinostroenie, No 4, 1961, pp 48-53. 9698601
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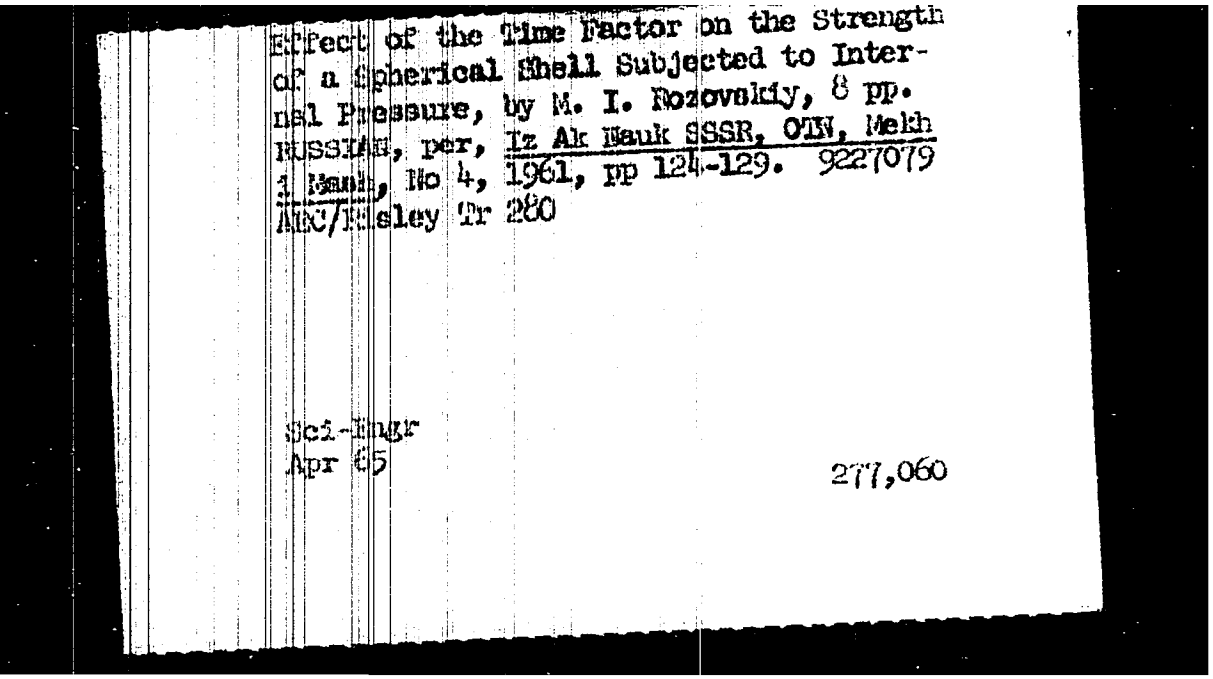

Effect of the Time Factor on the Strength of a Spherical Shell Subjected to Internal Pressure, by M. I. Rozovskiy, 8 pp. RUSSIAN, per, Iz Ak Nauk SSSR, OTN, Mekh i Mash, No 4, 1961, pp 124-129. 9227079
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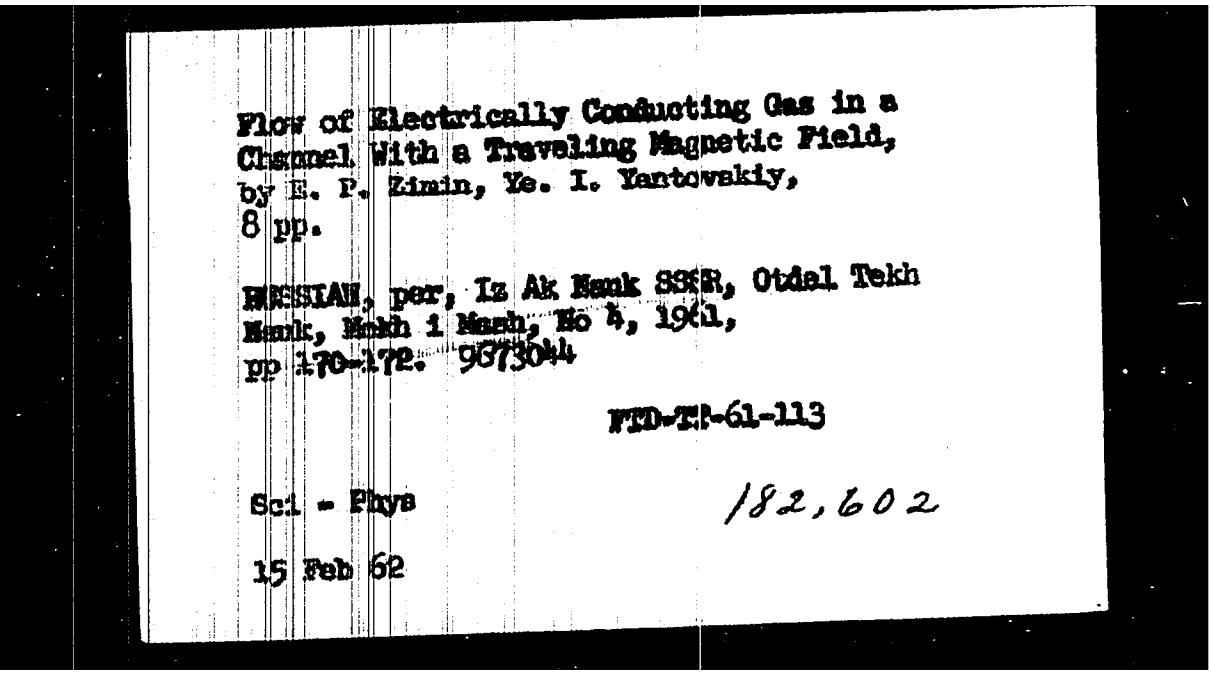

Flow of Electrically Conducting Gas in a Channel With a Traveling Magnetic Field, by E. P. Zimin, Ye. I. Yantovskiy, 8 pp.

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FTD-TT-61-113

Sci - Phys

15 Feb 62

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Effect of Joule Heating on Heat Transmission at the Critical Point, by V. A. Polyanskiy, 7 pp.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170059-5

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170059-5

Stability of a Cylindrical Shell Under the Effect of a Moving Load, by V. L. Prisekin.

RUSSIAN, per, Iz Ak Nauk SSSR, OTN, Mekh i Mash, No 5, 1961, pp 133, 134.

*FTD-MT-62-26

Sci - Machine Translation
7 Aug 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170059-5

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Alikhashkin, Ya. I.
NUMERICAL INTEGRATION OF THE EQUATION MODELING THE MOVEMENT OF A TWO-FLUID INTERFACE IN A POROUS MEDIUM. [1962] 6p.
Order from ATS $7.75 ATS-96P59R

Trans. of Akad[emiya] Nauk SSSR, Otdel[enie] Tekh[nicheskikh] Nauk. Izvest [iya]: Mekh[anika] i Mashinostr[oenie] 1961, no. 5, p. 159-162.

DESCRIPTORS: *Fluid flow, Numerical analysis, Differential equations, Integration.

(Mechanics--Hydrodynamics, TT, v. 8, no. 2)

62-17280

I. Alikhashkin, Ya. I.
II. ATS-96P59R
III. Associated Technical Seric Services, Inc., East Orange, N. J.

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Gorbunov, A. T. and Nikolaevskii, V. N.
STEADY-STATE FLOW OF FLUID INTO WELLS UNDER VOLUMETRIC CONTROL CONDITIONS.
[1962] 7p.
Order from ATS $11.45 ATS-53P60R

Trans. of A[kad[emiya] Nauk SSSR. Otdel[enie] Tekh[nicheskikh] Nauk. Izvest[iya]: Mekh[anika] i Mashinostr[oenie] 1961, no. 5, p. 165-167.

DESCRIPTORS: Petroleum, Sources, *Fluid flow, Volume, Control.

(Engineering--Chemical, TT, v. 8, no. 4)

62-17744

I. Gorbunov, A. T.
II. Nikolaevskii, V. N.
III. ATS-53P60R
IV. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170059-5

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Kim, V. Yu.
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Order from ATS $8.00 ATS-00Q67R

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Mekhanika i Mashinostroenie 1961, no. 5, p. 174-177.

DESCRIPTORS: Well drilling, Boreholes, *Fluid flow, Pressure

(Earth Sciences--Geology, TT, v. 9, no. 9)

63-12851

I. Kim, V. Yu.
II. ATS-00Q67R
III. Associated Technical Services, Inc., East Orange, N. J.

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Solution of Equations of Boundary Layer at Critical Point for Ternary Mixture, by A. B. Karasev, 16 pp.

RUSSIAN, per, Iz Ada Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, Nr. 6, 1961, pp 3-15.
9678620

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Sci - Phys
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Heat Transfer in Laminary Boundary Layer on a Plate With Consideration of Chemical Non-equilibrium, by V. P. Stulov, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 6, 1961, pp 11-14. 9683159

FTD-TT-61-1752

Sci-Phys
Jun 63

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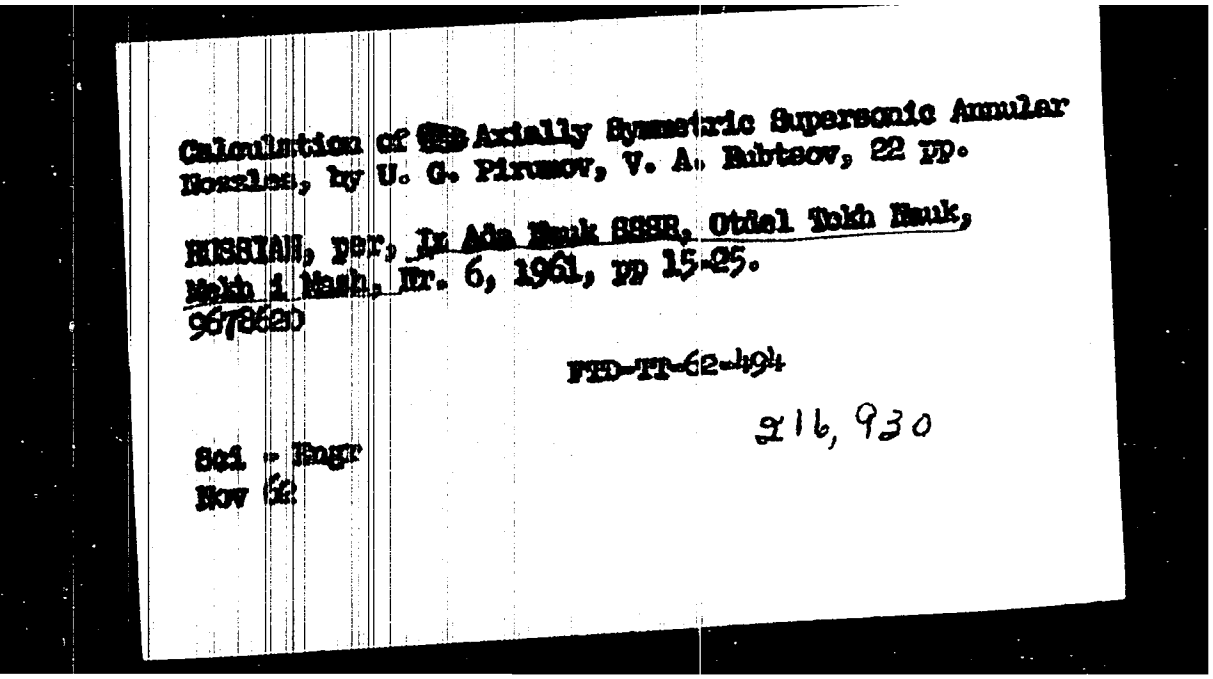

Calculation of the Axially Symmetric Supersonic Annular Nozzles, by U. G. Pirumov, V. A. Rubtsov, 22 pp.

RUSSIAN, per; In Akad Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, Nr. 6, 1961, pp 15-25.
9678620

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Sci - Engr
Nov 62

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R-5770-D
3 Sept 65

Flow of Humid Air in Nozzles of Aerodynamic Tubes
By: A. S. Danilov
From: AKAD NAUK SSSR Izv., OTN MAKH I MASH #6, 1961 (14pp)
pp 24-37

Russian - est for wds:

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The Flow of Gas Near the Stagnation Point of a Blunt Body With a Finite Rate of Excitation of Vibrational Degrees of Freedom, by I. N. Murzinov, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk Mekh i Mash, No 6, 1961, pp 33-36. 9667347

FTD-TT-62-1313

Sai - Chun, Engr
Jan 63

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Use of the Small Perturbations Method to Calculate Nonadiabatic Flow Around a Flat Plate Using a Supersonic Flow of Ideal Gas, by I. F. Shakhnov, 8 pp.

RUSSIAN, per; Mekh i Mash, No 6, 1961, pp 37-41. 9683154

FTD-TT-63-165

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Calculating a Three-Dimensional Laminary Boundary Layer on Spreading Lines, by V. S. Avduyevskiy, 14 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 1, 1962, pp 32-41. 9681603

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May 63

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Investigation of Heat-Transfer in the Case of a Cylinder in a Stream of Expanded Gas, by M. N. Izakov, S. P. Perov, 21 pp.

RUSSIAN, per, Iz Akad Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 1, 1962, pp 42-51. 9666831

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Analysis of Bending of a Sector Plate of Variable Thickness, Clamped Along a Portion of Its Arcuate Edge, Utilizing a High-Speed Computer, by B. Ya. Kantor, A. P. Filippov, 9 pp RUSSIAN, per, AN SSSR. Izv Mekh i Mash, No 1, 1962, pp 121-124.
AIR/FTD/MT-24-424-69

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Use of a Statistical Method to Analyze Experimental Data on Shell Stability, by B. P. Makarov, 4 pp.

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On the Determination of the Probability of Shell Buckling, by V. M. Goncharenko, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 1, 1962, pp 159-160.

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1. Cavitation in shield slots, Shal'nev, K. K., 57-65
2. Cavitation in a hydraulic flow and cavitation-abrasion wear, Kozyrev, S. P., 65-84

Russian per: Izvestiya Akademii Nauk SSSR- Otdeleniye Tekhnicheskikh Nauk Mekhanika i Mashinostroyeniye, nr 2, 1962, 57-84

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Boundary Layer on a Slightly Wavy-Surfaced Wall, by I. P. Soprunenko, 7 pp.

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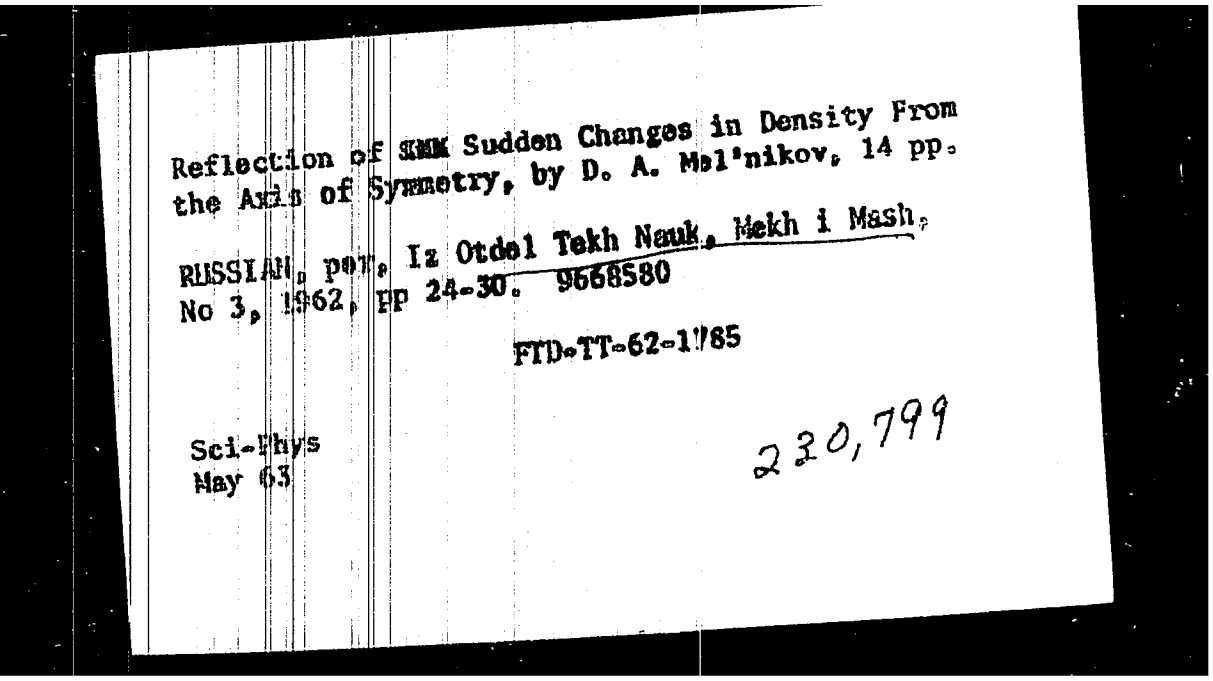

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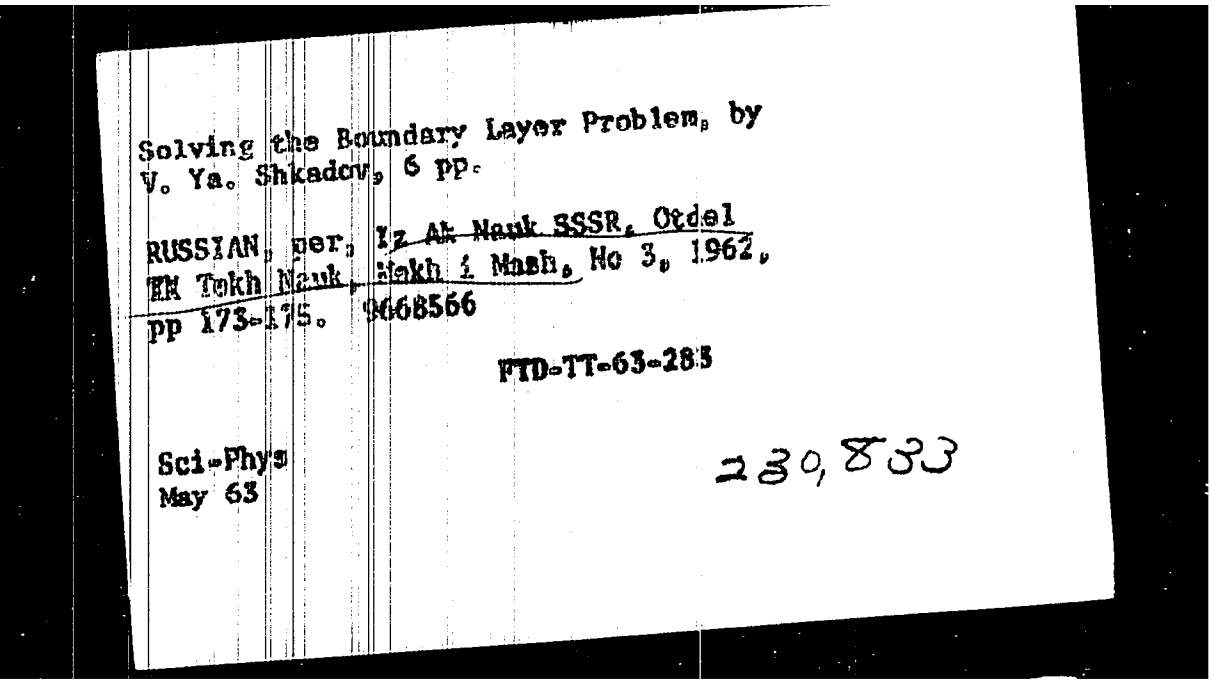

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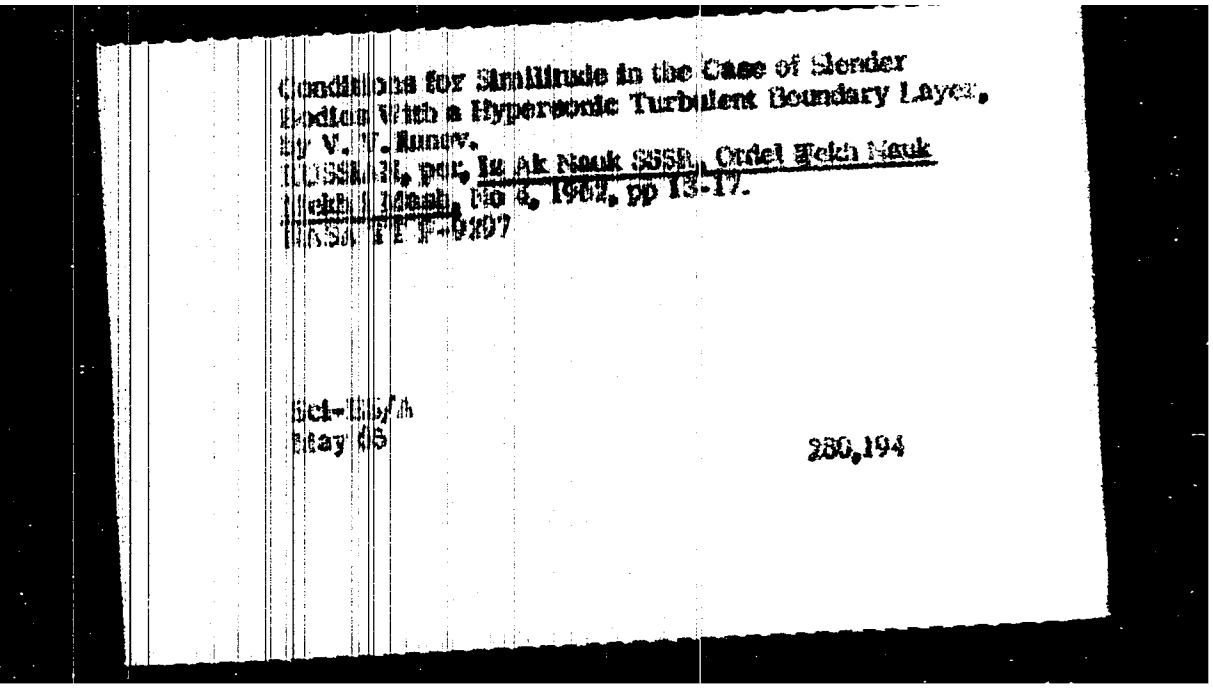

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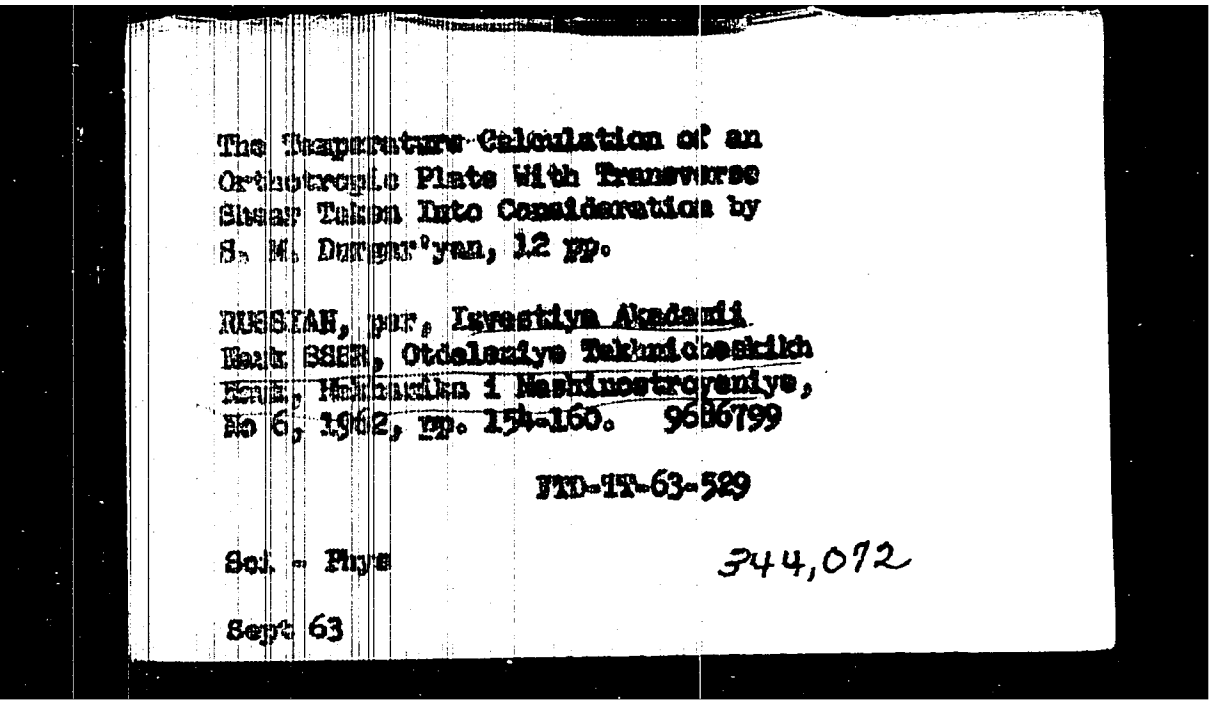

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(Mechanics, TT, v. 11, no. 12)

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